ОТЧЕТ

Дубовиченко С.Б. за 2021г.

I. Публикации за год:

Статьи

Европа, США

1. Dubovichenko S.B., Burkova N.A., Dzhazairov-Kakhramanov A.V., Beisenov B. Cluster model calculations of the $^{11}C(p,\gamma)^{12}N$ reaction rate and comparative overview // Nucl. Phys. 2021. V.A1007. №122135(18p.). (IF = 1.68, Q3 WoS, SJR = 0.78, 70%, Q2 Scopus) https://doi.org/10.1016/j.nuclphysa.2020.122135

2. Burkova N.A., Dubovichenko S.B., Dzhazairov-Kakhramanov A.V., S.Zh. Nurakhmetova Comparative role of the $^{7}Li(n,\gamma)$ reaction in big bang nucleosynthesis // Jour. Phys. 2021. V.G48. P.045201(21p.). (IF = 3.05, Q2 WoS, SJR = 1.39, 84%, Q1 Scopus) https://doi.org/10.1088/1361-6471/abe2b5

3. Dubovichenko S.B., Burkova N.A., Dzhazairov-Kakhramanov A.V., A. Yertaiuly $^{12}B(n,\gamma)^{13}B$ reaction as an alternative path to astrophysical synthesis of ^{13}C isotope // Nucl. Phys. 2021. V.A1011. №122197(17p.) (IF = 1.68, Q3 WoS, SJR = 0.78, 70%, Q2 Scopus) https://doi.org/10.1016/j.nuclphysa.2021.122197

4. S.B. Dubovichenko, A.V. Dzhazairov-Kakhramanov, N.A. Burkova Reaction rate of the $^{7}Li(p,\gamma)^{8}Be$ radiative capture at low energies // Nucl. Phys. 2021. V.1015. # 122312 (IF = 1.68, Q3 WoS, SJR = 0.78, 70%, Q2 Scopus) https://doi.org/10.1016/j.nuclphysa.2021.122312

Россия

1. *Dubovichenko S.B., Burkova N.A. Reaction rate $n^{12}C$ at temperatures from 0.01 to 10 T_9 // Russ. Phys. Jour. 2021. V.64.* №2. P.216-227; (IF = 0.66, Q4 WoS; SJR = 0.32, 34%, Q3 Scopus)

2. *Dubovichenko S.B., Dzhazairov-Kakhramanov A.V., Shmygaleva T.A Reaction rate of the radiative $p^{13}N$ capture // Russ. Phys. Jour. 2021. V.64. №6. P.961-969;* (IF = 0.66, Q4 WoS; SJR = 0.32, 34%, Q3 Scopus)

3. *Dubovichenko S.B. Reaction rate of $p^{11}C$ capture // Russ. Phys. Jour. 2021. V.64. №9. P.1742-1748;* (IF = 0.66, Q4 WoS; SJR = 0.32, 34%, Q3 Scopus)

4. С.Б. Дубовиченко, Н.А. Буркова, А.В. Джазаиров-Кахраманов, А.С. Ткаченко, А. Самратова Скорость реакции $p^{6}Li$ захвата // Изв. ВУЗов Физика. 2021. Т.64. №12; (IF = 0.66, Q4 WoS; SJR = 0.32, 34%, Q3 Scopus)

II. Руководитель двух грантов МОН РК на 2020-2022 и 2021-2023г.

III. Лауреат почетного знака МЦРИАП «За заслуги в развитии космической отрасли» август 2021г.

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